

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : SANKO SEIKI KK

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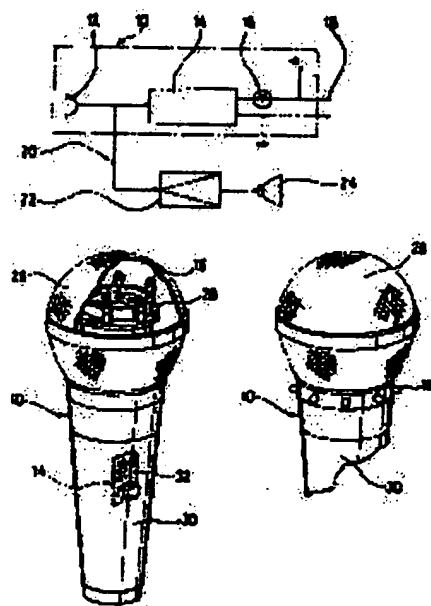
(72)Inventor : YAJIMA MASAYUKI

## (54) MICROPHONE

### (57)Abstract:

**PURPOSE:** To offer a microphone being involved is an interest visually by controlling to light an emitter provided at a part of the microphone with an emitter drive circuit causing a current or voltage change corresponding to a sound pressure level of voice.

**CONSTITUTION:** The emitter 16 each comprising plural small-sized lamps or light emitting diodes are arranged at a nearly equal interval to the inside or outer circumference, or the inside and the outer circumference of a head of the microphone 10. Further, the case inside constituting the grip part 30 of the microphone 10 is arranged and stored with the emitter drive circuit 14. The electric signal obtained by a converter 12 converting voice into the electric signal is fed to an amplifier 20 via a voice signal output terminal 20, the voice is reproduced from a speaker 24, fed to the emitter drive circuit 14, the change in the electric signal is extracted by the current or voltage change, the result is fed to the emitter 6 and the lighting is controlled depending on the change in the sound pressure level.



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## LEGAL STATUS

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FIG. 1

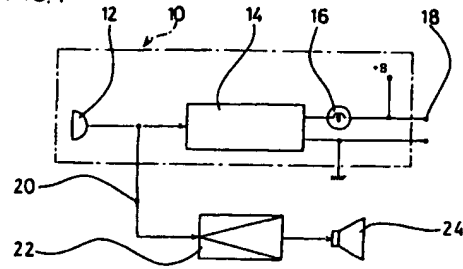


FIG. 2

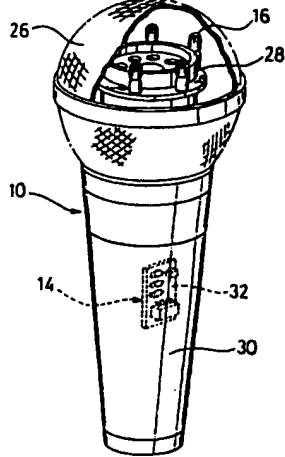


FIG. 3

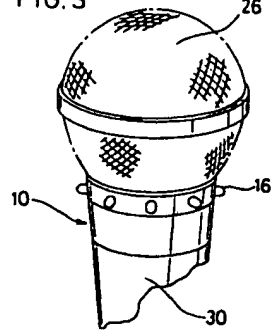


FIG. 4

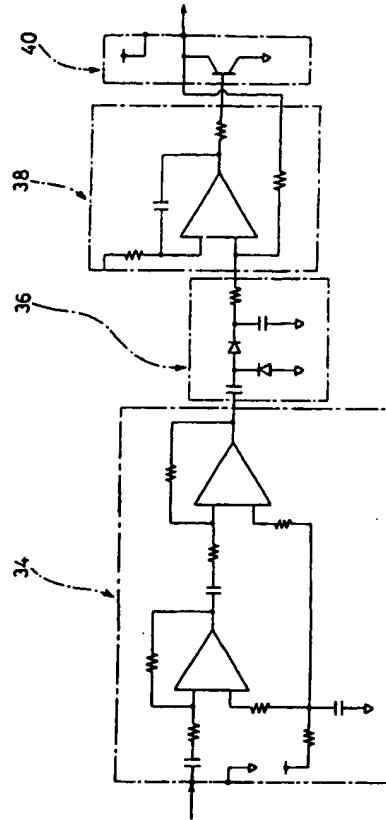


FIG. 5

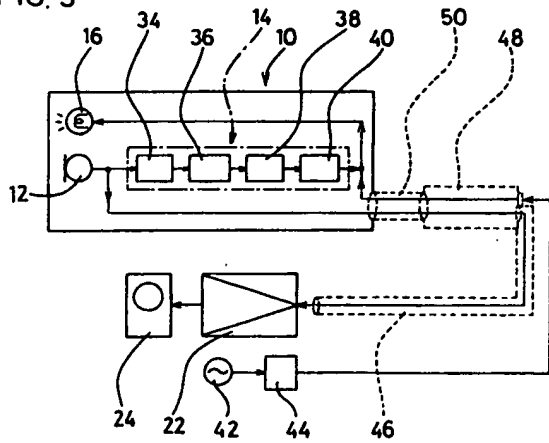


FIG. 7

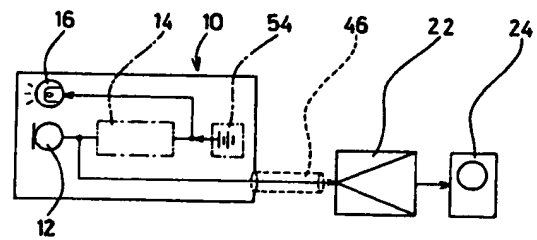


FIG. 6

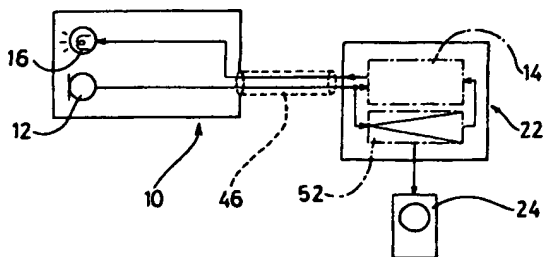


FIG. 8

